

PTO/SBORA (07-09)

Approved for use through 03/31/2007. OMB 0851-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 8

Complete if Known

Application Number	10/580,535
Filing Date	May 25, 2006
First Named Inventor	Daisuke KUMAKI et al.
Art Unit	2811
Examiner Name	M. LI
Attorney Docket Number	0756-7707

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5886365	03-23-1999	KOUCHI.T et al.	
		US-5853905	12-29-1998	SO.F et al.	
		US-5925980	07-20-1999	SO.F et al.	
		US-6130001	10-10-2000	SHI.S et al.	
		US-6323515	11-27-2001	YAMAZAKI.S et al.	
		US-7323225	01-29-2008	AOKI.D et al.	
		US-2001/0053559	12-20-2001	NAGAO.R et al.	
		US-2008/0203385	08-26-2008	SAITO.K et al.	
		US-2002/0030443	03-14-2002	KONUMA.T et al.	
		US-6380687	04-30-2002	YAMAZAKI.S	
		US-2004/0140758	07-22-2004	RAYCHAUDHURI.P et al.	
		US-5457565	10-10-1995	NAMIKI.T et al.	
		US-6366017	04-02-2002	ANTONIADIS.H et al.	
		US-6525466	02-25-2003	JABBOUR.G et al.	
		US-6521359	02-18-2003	NOGUCHI.T et al.	
		US-7256422	08-14-2007	YAMAZAKI.S	
		US-6942534	09-13-2005	SHIBASAKI.T et al.	
		US-6611108	08-26-2003	KIMURA.H	
		US-6982179	01-03-2006	KWONG.R et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		EP-1093167A	04-18-2001			Eng.
		JP-03-114197A	05-15-1991			Abst.
		JP-11-251067A	09-17-1999			Abst.
		JP-2001-043980A	02-16-2001			Abst.
		JP-10-255985A	09-25-1998			Abst.
		JP-2002-367784A	12-20-2002			Full

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST-16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./

PTO/SB/08A (07-06)

Approved for use through 03/31/2007. OMB 0551-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	2	of	8
-------	---	----	---

Complete if Known

Application Number	10/580,535
Filing Date	May 25, 2006
First Named Inventor	Daisuke KUMAKI et al.
Art Unit	2811
Examiner Name	M. LI
Attorney Docket Number	0756-7707

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6593691	07-15-2003	NISHI.T et al.	
		US-6608449	08-19-2003	FUKUNAGA.T	
		US-6423429	07-23-2002	KIDO.J et al.	
		US-6642544	11-04-2003	HAMADA.H et al.	
		US-7141817	11-28-2006	NISHI.T et al.	
		US-6579629	06-17-2003	RAYCHAUDHURI.P et al.	
		US-6689492	02-10-2004	YAMAZAKI.S et al.	
		US-6730966	05-04-2004	KOYAMA.J	
		US-6316874	11-13-2001	ARAI.M et al.	
		US-6869635	03-22-2005	KOBAYASHI.H	
		US-6670637	12-30-2003	YAMAZAKI.S et al.	
		US-5994836	11-30-1999	BOER.W et al.	
		US-6674136	01-06-2004	OHTANI.H	
		US-6677613	01-13-2004	YAMAZAKI.S et al.	
		US-6690033	02-10-2004	YAMAZAKI.S et al.	
		US-2003/0080338	05-01-2003	YAMAZAKI.S et al.	
		US-6806640	10-19-2004	OKADA.H et al.	
		US-5404075	04-04-1995	FUJIKAWA.H et al.	
		US-7074500	07-11-2006	PFEIFFER.M et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		JP-2002-359086A	12-13-2002			Abst.
		JP-2002-075658A	03-15-2002			Abst.
		JP-2003-249357A	09-05-2003			Abst.
		EP-1179862A	02-13-2002			Eng.
		EP-0948063A	10-06-1999			Eng.
		JP-04-357694A	12-10-1992			Full

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./

PTO/SB/08A (07-06)

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	3	of	8	Application Number	10/580,535
				Filing Date	May 25, 2006
				First Named Inventor	Daisuke KUMAKI et al.
				Art Unit	2811
				Examiner Name	M. LI
				Attorney Docket Number	0756-7707

Complete if Known

Application Number	10/580,535
Filing Date	May 25, 2006
First Named Inventor	Daisuke KUMAKI et al.
Art Unit	2811
Examiner Name	M. LI
Attorney Docket Number	0756-7707

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-6692845	02-17-2004	MARUYAMA, J. et al.	
		US-6552496	04-22-2003	YAMAZAKI, S.	
		US-2005/0248267	11-10-2005	GYOUTOKU, A. et al.	
		US-6774573	08-10-2004	YAMAZAKI, S.	
		US-2004/0161192	08-19-2004	HAMANO, T. et al.	
		US-6831408	12-14-2004	HIRANO, T. et al.	
		US-6830494	12-14-2004	YAMAZAKI, S. et al.	
		US-2005/0035708	2/17/2005	YAMAZAKI, S. et al.	
		US-6794278	09-21-2004	KIDO, J. et al.	
		US-2006/0008740	01-12-2006	KIDO, J. et al.	
		US-6518700	02-11-2003	FRIEND, R. et al.	
		US-6489638	12-03-2002	SEO, S. et al.	
		US-6946319	09-20-2005	STEGAMAT, R. et al.	
		US-6905788	06-14-2005	TYAN, Y. et al.	
		US-6738034	05-18-2004	KANEKO, Y. et al.	
		US-6573650	06-03-2003	AOKI, D. et al.	
		US-6650047	11-18-2005	AOKI, D. et al.	
		US-6956240	10-18-2005	YAMAZAKI, S. et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		JP-2000-315580A	11-14-2000			Full
		JP-03-190088A	08-20-1991			Abst.
		EP-1065723A	01-03-2001			Eng.
		JP-10-308284A	11-17-1998			Abst.
		JP-2001-076868A	03-23-2001			Abst.
		JP-2001-185354A	07-06-2001			Abst.

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1456, Alexandria, VA 22313-1456.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-796-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/580,535
				Filing Date	May 25, 2006
				First Named Inventor	Daisuke KUMAKI et al.
				Art Unit	2811
				Examiner Name	M. Li
Sheet	4	of	8	Attorney Docket Number	0756-7707

[illegible]

Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1*
		Country Code* - Number* - Kind Code* (if known)				
		WO-2000/001203	01-06-2000			Abst.
		JP-2000-315581A	11-14-2000			Full
		EP-1009198A	06-14-2000			Eng.
		JP-2001-244079A	09-07-2001			Abst.
		JP-06-290873A	10-18-1994			Abst.
		JP-2005-026121A	01-27-2005			Full

Examiner Signature	Date Considered
-----------------------	--------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.597 and 1.598. The information is required to obtain or retain a benefit by the public which is to file (and) by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substituted for form 1449IPTO				Complete if known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/580,535
				Filing Date	May 25, 2006
				First Named Inventor	Daisuke KUMAKI et al.
				Art Unit	2811
				Examiner Name	M. LI
Sheet	5	of	8	Attorney Docket Number	0756-7707

[illegible]

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code* -Number* -Kind Code* (if known)				
		JP-2004-349007A	12-09-2004			Full
		JP-07-312289A	11-28-1995			Full
		JP-2824411A	11-11-1998			Equiv
		JP-2005-123095A	05-12-2005			Abst.
		JP-2004-134395A	04-30-2004			Abst.
		JP-2005-251587A	09-15-2005			Abst.

Examiner Signature	Date Considered
-----------------------	--------------------

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and) by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./

PTO/SB/CBA (07-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449-PTO				Complete if known Application Number 10/580,535 Filing Date May 25, 2006 First Named Inventor Daisuke KUMAKI et al. Art Unit 2811 Examiner Name M. Li Attorney Docket Number 0756-7707	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)					
Sheet	8	of	8		

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² , Number ³ , & Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		EP-1624707A	04-20-2005			Eng.
		WO-2002/041414A	05-23-2002			Abst.
		CN-1327360A	12-19-2001			Abst.

Examiner Signature	/Meiya Li/	Date Considered	01/19/2010
--------------------	------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard 53.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.57 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and) by the USPTO to process) an application. Confidentiality is guaranteed by 35 U.S.C. 1.122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./